

*A 1
B 2
Gel P
Cust*
~~4. (Amended) A silicon/silicon carbide composite according to claim 1, said silicon/silicon carbide composite includes a semiconductor heat treatment member.~~

*S 1
D 2
B 3
A*
~~8. (Amended) A process for manufacturing a silicon/silicon carbide composite according to claim 6, wherein the length of each cellulose fiber is 1.5 mm or more.~~

~~9. (Amended) A process for manufacturing a silicon/silicon carbide composite according to claim 6, wherein said cellulose fiber is paper pulp.~~

*A 1
B 2
Gel P
Cust*
~~11. (Amended) A process for manufacturing a silicon/silicon carbide composite according to claim 6, wherein the bulk density of the porous carbon body produced by said first step is 0.70 g/cm³ or less.~~

*A 1
B 2
Gel P
Cust*
~~12. (Amended) A process for manufacturing a silicon/silicon carbide composite according to claim 6, in which a silicification treatment in said second step is conducted by either a reaction with fused silicon or a reaction with silicon monoxide gas.~~

*A 4
A*
~~15. (Amended) A process for manufacturing a silicon/silicon carbide composite according to claim 6, wherein the porous carbon body produced by said first step is heated at a temperature of 1100°C to 2000°C in an atmosphere of halogen gas to be purified prior to the second step.~~

Please add claims 18 through 29 as follows:

*A 1
B 2
Gel P
Cust*
~~18. A silicon/silicon carbide composite according to claim 2, wherein said silicon/silicon carbide composite includes a dummy wafer with a silicon carbide film having a thickness of 30 to 150 µm formed on the surface thereof, said dummy wafer having a total thickness of 0.5 to 1 mm.~~

Sub Cont 19. A silicon/silicon carbide composite according to claim 2, said silicon/silicon carbide composite includes a semiconductor heat treatment member.

Sub Cont 20. A process for manufacturing a silicon/silicon carbide composite according to claim 7, wherein the length of each cellulose fiber is 1.5 mm or more.

21. A process for manufacturing a silicon/silicon carbide composite according to claim 7, wherein said cellulose fiber is paper pulp.

22. A process for manufacturing a silicon/silicon carbide composite according to claim 7, wherein the bulk density of the porous carbon body produced by said first step is 0.70 g/cm³ or less.

23. A process for manufacturing a silicon/silicon carbide composite according to claim 10, wherein the bulk density of the porous carbon body produced by said first step is 0.70 g/cm³ or less.

24. A process for manufacturing a silicon/silicon carbide composite according to claim 7, in which a silicification treatment in said second step is conducted by either a reaction with fused silicon or a reaction with silicon monoxide gas.

25. A process for manufacturing a silicon/silicon carbide composite according to claim 10, in which a silicification treatment in said second step is conducted by either a reaction with fused silicon or a reaction with silicon monoxide gas.

26. A process for manufacturing a silicon/silicon carbide composite according to claim 7, wherein the porous carbon body produced by said first step is heated at a temperature of 1100°C to 2000°C in an atmosphere of halogen gas to be purified prior to the second step.